

**ABSTRACT OF THE DISCLOSURE**

A multiprocessor-scalable streaming data server arrangement in a multiprocessor data server having N processors, N being an integer greater than or equal to 2, includes implementing N NICs (Network Interface Cards), a first one of the N NICs being dedicated to receiving an incoming data stream. An interrupt from the first one of the N NICs is bound to a first one of the N processors and an interrupt for an nth NIC is bound to an nth processor,  $0 < n \leq N$ . A DPC (Deferred Procedure Call) for the nth NIC is bound to the nth processor. M client connections may be tightly coupled to the nth processor via the nth NIC, M being a positive integer. P server threads may be bound to specific ones of a second through N processors. L1 (Level 1) and L2 (Level 2) caches may be defined for each of the N processors, instructions and temporal data being stored in L2 caches of the N processors and non-temporal data being stored in L1 caches of the N processors, bypassing the L2 caches.